EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	185	cysk or cysteine synthase$1	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:26
L2	139	1 same (gene$1 or sequence$1 or nucleic or polynucleotide$)	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:27
L3	125679	(serine or ser) same (coexpress$ or rich or high or level$1 or yield$1 or optimiz$)	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:40
L4	71	1 and 3	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:41
L5	18	4 not 2	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:41
L6	7385	(amino acid$1) near5 protein$1 near5 (production$ or express$ or optimiz$)	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:41
L7	0	(amino acid$1) near5 (composition$ or profile$) nerar5 protein$1 near5 (production$ or express$ or optimiz$)	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:42
L8	225	(amino acid$1) near5 (composition$ or profile$) near5 protein$1 near5 (production$ or express$ or optimiz$)	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:43
L9	5	8 same coli	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:43
L10	12	(amino acid$1) near5 (composition$ or profile$) near5 (heterologous or foreign) near3 protein$1 near5 (production$ or express$ or optimiz$)	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:43
L11	1	1 same coexpress$	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:44
L12	85	1 same (serine or ser)	US-PGPUB; USPAT	ADJ	OFF	2006/09/05 16:44

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* * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 16:49:39 ON 05 SEP 2006

=> fil .bec
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                     ENTRY       SESSION
FULL ESTIMATED COST                                   1.89         1.89

FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS,
       ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 16:55:14 ON 05 SEP 2006
ALL COPYRIGHTS AND RESTRICTIONS APPLY.  SEE HELP USAGETERMS FOR DETAILS.

11 FILES IN THE FILE LIST

=> s cysk or cysteine synthase#
FILE 'MEDLINE'
             79 CYSK
          66784 CYSTEINE
          95884 SYNTHASE#
            240 CYSTEINE SYNTHASE#
                  (CYSTEINE(W)SYNTHASE#)
L1          278 CYSK OR CYSTEINE SYNTHASE#

FILE 'SCISEARCH'
             55 CYSK
          49154 CYSTEINE
         112660 SYNTHASE#
            213 CYSTEINE SYNTHASE#
                  (CYSTEINE(W)SYNTHASE#)
L2          248 CYSK OR CYSTEINE SYNTHASE#

FILE 'LIFESCI'
             49 CYSK
          18597 "CYSTEINE"
          24832 SYNTHASE#
             93 CYSTEINE SYNTHASE#
                  ("CYSTEINE"(W)SYNTHASE#)
L3          126 CYSK OR CYSTEINE SYNTHASE#

FILE 'BIOTECHDS'
             54 CYSK
           4414 CYSTEINE
           6362 SYNTHASE#
             65 CYSTEINE SYNTHASE#
                  (CYSTEINE(W)SYNTHASE#)
L4           87 CYSK OR CYSTEINE SYNTHASE#

FILE 'BIOSIS'
             77 CYSK
          60728 CYSTEINE
         103285 SYNTHASE#
            226 CYSTEINE SYNTHASE#
                  (CYSTEINE(W)SYNTHASE#)
L5          283 CYSK OR CYSTEINE SYNTHASE#

FILE 'EMBASE'
             61 CYSK
          51495 "CYSTEINE"
          94876 SYNTHASE#
            204 CYSTEINE SYNTHASE#
                  ("CYSTEINE"(W)SYNTHASE#)
L6          235 CYSK OR CYSTEINE SYNTHASE#

FILE 'HCAPLUS'
```

```
           181 CYSK
        102878 CYSTEINE
         99232 SYNTHASE#
           380 CYSTEINE SYNTHASE#
                  (CYSTEINE(W)SYNTHASE#)
L7         475 CYSK OR CYSTEINE SYNTHASE#

FILE 'NTIS'
             0 CYSK
           492 CYSTEINE
           240 SYNTHASE#
             0 CYSTEINE SYNTHASE#
                  (CYSTEINE(W)SYNTHASE#)
L8           0 CYSK OR CYSTEINE SYNTHASE#

FILE 'ESBIOBASE'
            44 CYSK
         24959 CYSTEINE
         46832 SYNTHASE#
           107 CYSTEINE SYNTHASE#
                  (CYSTEINE(W)SYNTHASE#)
L9         135 CYSK OR CYSTEINE SYNTHASE#

FILE 'BIOTECHNO'
            43 CYSK
         22339 CYSTEINE
         29457 SYNTHASE#
           130 CYSTEINE SYNTHASE#
                  (CYSTEINE(W)SYNTHASE#)
L10        151 CYSK OR CYSTEINE SYNTHASE#

FILE 'WPIDS'
            45 CYSK
          8837 CYSTEINE
          5263 SYNTHASE#
            46 CYSTEINE SYNTHASE#
                  (CYSTEINE(W)SYNTHASE#)
L11         62 CYSK OR CYSTEINE SYNTHASE#

TOTAL FOR ALL FILES
L12       2080 CYSK OR CYSTEINE SYNTHASE#

=> s (serine or ser)(15a)(rich or high or level# or yield# or optimiz?)
FILE 'MEDLINE'
         92542 SERINE
         21836 SER
         85541 RICH
       1436480 HIGH
       1536362 LEVEL#
        126347 YIELD#
         67645 OPTIMIZ?
L13       5389 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
               ?)

FILE 'SCISEARCH'
         53704 SERINE
         22441 SER
        157813 RICH
       2163272 HIGH
       1608663 LEVEL#
        410563 YIELD#
        245023 OPTIMIZ?
L14       4899 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
               ?)
```

```
FILE 'LIFESCI'
         21922 SERINE
         10847 SER
         35978 RICH
        382927 HIGH
        442720 LEVEL#
         56401 YIELD#
         17563 OPTIMIZ?
L15        2982 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
                ?)


FILE 'BIOTECHDS'
          5056 SERINE
          4932 SER
          4697 RICH
         77059 HIGH
         53382 LEVEL#
         40562 YIELD#
         19515 OPTIMIZ?
L16         634 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
                ?)


FILE 'BIOSIS'
         70130 SERINE
         22674 SER
        108891 RICH
       1531355 HIGH
       1653757 LEVEL#
        303964 YIELD#
         70101 OPTIMIZ?
L17        6111 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
                ?)


FILE 'EMBASE'
         59506 SERINE
         19604 SER
         77121 RICH
       1383149 HIGH
       1760795 LEVEL#
        139590 YIELD#
         66848 OPTIMIZ?
L18        4778 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
                ?)


FILE 'HCAPLUS'
        108771 SERINE
         35498 SER
        283574 RICH
       3864087 HIGH
       2314136 LEVEL#
       1173570 YIELD#
        303447 OPTIMIZ?
L19        9338 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
                ?)


FILE 'NTIS'
           537 SERINE
           410 SER
          9384 RICH
        331244 HIGH
        230320 LEVEL#
         55732 YIELD#
         60407 OPTIMIZ?
L20          76 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
                ?)
```

```
FILE 'ESBIOBASE'
        28404 SERINE
        13028 SER
        47937 RICH
       542371 HIGH
       608355 LEVEL#
        79780 YIELD#
        33335 OPTIMIZ?
L21      3770 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
              ?)


FILE 'BIOTECHNO'
        28989 SERINE
        11924 SER
        29372 RICH
       299126 HIGH
       367944 LEVEL#
        41645 YIELD#
        16086 OPTIMIZ?
L22      3241 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
              ?)


FILE 'WPIDS'
         8710 SERINE
        10207 SER
        34940 RICH
      2103367 HIGH
       627381 LEVEL#
       254674 YIELD#
        44821 OPTIMIZ?
L23       523 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
              ?)

TOTAL FOR ALL FILES
L24     41741 (SERINE OR SER)(15A)(RICH OR HIGH OR LEVEL# OR YIELD# OR OPTIMIZ
              ?)

=> s l12 and l24
FILE 'MEDLINE'
L25        12 L1 AND L13

FILE 'SCISEARCH'
L26         9 L2 AND L14

FILE 'LIFESCI'
L27         5 L3 AND L15

FILE 'BIOTECHDS'
L28         2 L4 AND L16

FILE 'BIOSIS'
L29         9 L5 AND L17

FILE 'EMBASE'
L30         5 L6 AND L18

FILE 'HCAPLUS'
L31        12 L7 AND L19

FILE 'NTIS'
L32         0 L8 AND L20

FILE 'ESBIOBASE'
L33         4 L9 AND L21
```

```
FILE 'BIOTECHNO'
L34          8 L10 AND L22

FILE 'WPIDS'
L35          1 L11 AND L23

TOTAL FOR ALL FILES
L36          67 L12 AND L24

=> s l12 and coexpress?
FILE 'MEDLINE'
          14087 COEXPRESS?
L37          2 L1 AND COEXPRESS?

FILE 'SCISEARCH'
          14452 COEXPRESS?
L38          2 L2 AND COEXPRESS?

FILE 'LIFESCI'
          6416 COEXPRESS?
L39          2 L3 AND COEXPRESS?

FILE 'BIOTECHDS'
          699 COEXPRESS?
L40          1 L4 AND COEXPRESS?

FILE 'BIOSIS'
          14207 COEXPRESS?
L41          2 L5 AND COEXPRESS?

FILE 'EMBASE'
          13337 COEXPRESS?
L42          1 L6 AND COEXPRESS?

FILE 'HCAPLUS'
          13342 COEXPRESS?
L43          2 L7 AND COEXPRESS?

FILE 'NTIS'
          36 COEXPRESS?
L44          0 L8 AND COEXPRESS?

FILE 'ESBIOBASE'
          10330 COEXPRESS?
L45          1 L9 AND COEXPRESS?

FILE 'BIOTECHNO'
          7587 COEXPRESS?
L46          1 L10 AND COEXPRESS?

FILE 'WPIDS'
          144 COEXPRESS?
L47          0 L11 AND COEXPRESS?

TOTAL FOR ALL FILES
L48          14 L12 AND COEXPRESS?

=> s (amino acid or ser or serine) (15a) (composition# or profil?)
FILE 'MEDLINE'
          627617 AMINO
          1423018 ACID
          471399 AMINO ACID
                 (AMINO(W)ACID)
          21836 SER
```

```
            92542 SERINE
           168556 COMPOSITION#
           248825 PROFIL?
L49         13746 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

     FILE 'SCISEARCH'
           396327 AMINO
          1149190 ACID
           209666 AMINO ACID
                     (AMINO(W)ACID)
            22441 SER
            53704 SERINE
           419979 COMPOSITION#
           382115 PROFIL?
L50          9538 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

     FILE 'LIFESCI'
           170294 "AMINO"
           304712 "ACID"
           117285 AMINO ACID
                     ("AMINO"(W)"ACID")
            10847 SER
            21922 SERINE
            99725 COMPOSITION#
            55188 PROFIL?
L51          6090 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

     FILE 'BIOTECHDS'
            68862 AMINO
           141162 ACID
            49599 AMINO ACID
                     (AMINO(W)ACID)
             4932 SER
             5056 SERINE
            42349 COMPOSITION#
            10963 PROFIL?
L52          2588 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

     FILE 'BIOSIS'
           529886 AMINO
          1264190 ACID
           308849 AMINO ACID
                     (AMINO(W)ACID)
            22674 SER
            70130 SERINE
           329045 COMPOSITION#
           237646 PROFIL?
L53         22015 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

     FILE 'EMBASE'
           435768 "AMINO"
          1416160 "ACID"
           294679 AMINO ACID
                     ("AMINO"(W)"ACID")
            19604 SER
            59506 SERINE
           151941 COMPOSITION#
           210288 PROFIL?
L54         13289 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

     FILE 'HCAPLUS'
          1084579 AMINO
          4203357 ACID
           539531 AMINO ACID
                     (AMINO(W)ACID)
```

```
           35498 SER
          108771 SERINE
          960068 COMPOSITION#
         1416217 COMPN
         1976740 COMPOSITION#
                    (COMPOSITION# OR COMPN)
          440810 PROFIL?
L55        38325 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

FILE 'NTIS'
            7002 AMINO
           44050 ACID
            2476 AMINO ACID
                    (AMINO(W)ACID)
             410 SER
             537 SERINE
           69996 COMPOSITION#
           58035 PROFIL?
L56          223 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

FILE 'ESBIOBASE'
          184733 AMINO
          353034 ACID
          102749 AMINO ACID
                    (AMINO(W)ACID)
           13028 SER
           28404 SERINE
           87829 COMPOSITION#
           98571 PROFIL?
L57         3620 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

FILE 'BIOTECHNO'
          204625 AMINO
          349810 ACID
          154660 AMINO ACID
                    (AMINO(W)ACID)
           11924 SER
           28989 SERINE
           38895 COMPOSITION#
           42958 PROFIL?
L58         6366 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

FILE 'WPIDS'
          251912 AMINO
          962131 ACID
           71782 AMINO ACID
                    (AMINO(W)ACID)
           10207 SER
            8710 SERINE
          732789 COMPOSITION#
            8956 COMPN
          388445 COMPSN
          111887 COMPSNS
          904733 COMPOSITION#
                    (COMPOSITION# OR COMPN OR COMPSN OR COMPSNS)
          199950 PROFIL?
L59         5010 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

TOTAL FOR ALL FILES
L60       120810 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)

=> s l12 and l60
FILE 'MEDLINE'
L61            7 L1 AND L49
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```
FILE 'SCISEARCH'
L62            8 L2 AND L50

FILE 'LIFESCI'
L63            3 L3 AND L51

FILE 'BIOTECHDS'
L64            1 L4 AND L52

FILE 'BIOSIS'
L65           18 L5 AND L53

FILE 'EMBASE'
L66            7 L6 AND L54

FILE 'HCAPLUS'
L67           17 L7 AND L55

FILE 'NTIS'
L68            0 L8 AND L56

FILE 'ESBIOBASE'
L69            3 L9 AND L57

FILE 'BIOTECHNO'
L70            4 L10 AND L58

FILE 'WPIDS'
L71            0 L11 AND L59

TOTAL FOR ALL FILES
L72           68 L12 AND L60

=> s (heterologous or foreign or recombinant)(5a)protein#(10a)(produc? or express?
or optimize?)
FILE 'MEDLINE'
          48830 HETEROLOGOUS
          60602 FOREIGN
         268316 RECOMBINANT
        1985895 PROTEIN#
        1332283 PRODUC?
        1031557 EXPRESS?
          41164 OPTIMIZE?
L73         9690 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A)PROTEIN#(10A)(PRODUC
                 ? OR EXPRESS? OR OPTIMIZE?)

FILE 'SCISEARCH'
          22902 HETEROLOGOUS
          31651 FOREIGN
         157026 RECOMBINANT
        1561701 PROTEIN#
        1885905 PRODUC?
        1318116 EXPRESS?
         101716 OPTIMIZE?
L74         9879 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A)PROTEIN#(10A)(PRODUC
                 ? OR EXPRESS? OR OPTIMIZE?)

FILE 'LIFESCI'
          15201 HETEROLOGOUS
           8672 FOREIGN
          68772 RECOMBINANT
         576271 PROTEIN#
         528908 PRODUC?
         406665 EXPRESS?
          10075 OPTIMIZE?
```

```
L75         7329 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT) (5A) PROTEIN# (10A) (PRODUC
                 ? OR EXPRESS? OR OPTIMIZE?)

FILE 'BIOTECHDS'
           11307 HETEROLOGOUS
            6545 FOREIGN
          100689 RECOMBINANT
          158695 PROTEIN#
          228637 PRODUC?
          147353 EXPRESS?
            7062 OPTIMIZE?
L76        29419 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT) (5A) PROTEIN# (10A) (PRODUC
                 ? OR EXPRESS? OR OPTIMIZE?)

FILE 'BIOSIS'
           29967 HETEROLOGOUS
           27907 FOREIGN
          195249 RECOMBINANT
         1823904 PROTEIN#
         1749135 PRODUC?
         1221349 EXPRESS?
           39110 OPTIMIZE?
L77        12002 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT) (5A) PROTEIN# (10A) (PRODUC
                 ? OR EXPRESS? OR OPTIMIZE?)

FILE 'EMBASE'
           22923 HETEROLOGOUS
           33379 FOREIGN
          175294 RECOMBINANT
         1603763 PROTEIN#
         1272694 PRODUC?
          946560 EXPRESS?
           39287 OPTIMIZE?
L78         8021 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT) (5A) PROTEIN# (10A) (PRODUC
                 ? OR EXPRESS? OR OPTIMIZE?)

FILE 'HCAPLUS'
           32645 HETEROLOGOUS
           46746 FOREIGN
          189333 RECOMBINANT
         2223498 PROTEIN#
         4321767 PRODUC?
          958436 PRODN
         4784654 PRODUC?
                     (PRODUC? OR PRODN)
         1251575 EXPRESS?
          161274 OPTIMIZE?
L79        22409 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT) (5A) PROTEIN# (10A) (PRODUC
                 ? OR EXPRESS? OR OPTIMIZE?)

FILE 'NTIS'
             306 HETEROLOGOUS
          385975 FOREIGN
            1641 RECOMBINANT
           19009 PROTEIN#
          373365 PRODUC?
           39659 EXPRESS?
           17064 OPTIMIZE?
L80          142 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT) (5A) PROTEIN# (10A) (PRODUC
                 ? OR EXPRESS? OR OPTIMIZE?)

FILE 'ESBIOBASE'
           13479 HETEROLOGOUS
           10751 FOREIGN
           87655 RECOMBINANT
```

```
              759973 PROTEIN#
              613682 PRODUC?
              594976 EXPRESS?
               20296 OPTIMIZE?
L81             8224 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A)PROTEIN#(10A)(PRODUC
                    ? OR EXPRESS? OR OPTIMIZE?)


FILE 'BIOTECHNO'
               14199 HETEROLOGOUS
                6070 FOREIGN
              125134 RECOMBINANT
              653195 PROTEIN#
              394590 PRODUC?
              452182 EXPRESS?
                9587 OPTIMIZE?
L82             8116 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A)PROTEIN#(10A)(PRODUC
                    ? OR EXPRESS? OR OPTIMIZE?)


FILE 'WPIDS'
               10317 HETEROLOGOUS
               43020 FOREIGN
               41575 RECOMBINANT
              161225 PROTEIN#
             2400607 PRODUC?
              130252 EXPRESS?
               30007 OPTIMIZE?
L83             4932 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A)PROTEIN#(10A)(PRODUC
                    ? OR EXPRESS? OR OPTIMIZE?)


TOTAL FOR ALL FILES
L84           120163 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
                    C? OR EXPRESS? OR OPTIMIZE?)


=> s l12 and l84
FILE 'MEDLINE'
L85                5 L1 AND L73


FILE 'SCISEARCH'
L86                4 L2 AND L74


FILE 'LIFESCI'
L87                5 L3 AND L75


FILE 'BIOTECHDS'
L88                5 L4 AND L76


FILE 'BIOSIS'
L89                2 L5 AND L77


FILE 'EMBASE'
L90                2 L6 AND L78


FILE 'HCAPLUS'
L91                6 L7 AND L79


FILE 'NTIS'
L92                0 L8 AND L80


FILE 'ESBIOBASE'
L93                4 L9 AND L81


FILE 'BIOTECHNO'
L94                2 L10 AND L82


FILE 'WPIDS'
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```
L95            2 L11 AND L83

TOTAL FOR ALL FILES
L96           37 L12 AND L84

=> s l60 and l84
FILE 'MEDLINE'
L97           51 L49 AND L73

FILE 'SCISEARCH'
L98           49 L50 AND L74

FILE 'LIFESCI'
L99           38 L51 AND L75

FILE 'BIOTECHDS'
L100         505 L52 AND L76

FILE 'BIOSIS'
L101          57 L53 AND L77

FILE 'EMBASE'
L102          65 L54 AND L78

FILE 'HCAPLUS'
L103         169 L55 AND L79

FILE 'NTIS'
L104           0 L56 AND L80

FILE 'ESBIOBASE'
L105          44 L57 AND L81

FILE 'BIOTECHNO'
L106          74 L58 AND L82

FILE 'WPIDS'
L107          45 L59 AND L83

TOTAL FOR ALL FILES
L108        1097 L60 AND L84

=> s l108 and coli
FILE 'MEDLINE'
        254513 COLI
L109          30 L97 AND COLI

FILE 'SCISEARCH'
        235425 COLI
L110          25 L98 AND COLI

FILE 'LIFESCI'
        100827 COLI
L111          21 L99 AND COLI

FILE 'BIOTECHDS'
         47081 COLI
L112         132 L100 AND COLI

FILE 'BIOSIS'
        282219 COLI
L113          30 L101 AND COLI

FILE 'EMBASE'
        181848 COLI
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```
L114          34 L102 AND COLI

FILE 'HCAPLUS'
         273731 COLI
L115          69 L103 AND COLI

FILE 'NTIS'
           2854 COLI
L116           0 L104 AND COLI

FILE 'ESBIOBASE'
          72550 COLI
L117          19 L105 AND COLI

FILE 'BIOTECHNO'
          94549 COLI
L118          32 L106 AND COLI

FILE 'WPIDS'
          19531 COLI
L119           8 L107 AND COLI

TOTAL FOR ALL FILES
L120         400 L108 AND COLI

=> s (136 or 148 or 172 or 196 or 1120)
FILE 'MEDLINE'
L121          52 (L25 OR L37 OR L61 OR L85 OR L109)

FILE 'SCISEARCH'
L122          44 (L26 OR L38 OR L62 OR L86 OR L110)

FILE 'LIFESCI'
L123          32 (L27 OR L39 OR L63 OR L87 OR L111)

FILE 'BIOTECHDS'
L124         136 (L28 OR L40 OR L64 OR L88 OR L112)

FILE 'BIOSIS'
L125          57 (L29 OR L41 OR L65 OR L89 OR L113)

FILE 'EMBASE'
L126          45 (L30 OR L42 OR L66 OR L90 OR L114)

FILE 'HCAPLUS'
L127         101 (L31 OR L43 OR L67 OR L91 OR L115)

FILE 'NTIS'
L128           0 (L32 OR L44 OR L68 OR L92 OR L116)

FILE 'ESBIOBASE'
L129          27 (L33 OR L45 OR L69 OR L93 OR L117)

FILE 'BIOTECHNO'
L130          43 (L34 OR L46 OR L70 OR L94 OR L118)

FILE 'WPIDS'
L131          10 (L35 OR L47 OR L71 OR L95 OR L119)

TOTAL FOR ALL FILES
L132         547 (L36 OR L48 OR L72 OR L96 OR L120)

=> s l132 not 2004-2006/py
FILE 'MEDLINE'
        1669518 2004-2006/PY
```

```
                     (20040000-20069999/PY)
L133          44 L121 NOT 2004-2006/PY


FILE 'SCISEARCH'
        3014115 2004-2006/PY
                     (20040000-20069999/PY)
L134          35 L122 NOT 2004-2006/PY


FILE 'LIFESCI'
         253279 2004-2006/PY
L135          26 L123 NOT 2004-2006/PY


FILE 'BIOTECHDS'
          70512 2004-2006/PY
L136          79 L124 NOT 2004-2006/PY


FILE 'BIOSIS'
        1279777 2004-2006/PY
L137          50 L125 NOT 2004-2006/PY


FILE 'EMBASE'
        1435080 2004-2006/PY
L138          33 L126 NOT 2004-2006/PY


FILE 'HCAPLUS'
        3225813 2004-2006/PY
L139          75 L127 NOT 2004-2006/PY


FILE 'NTIS'
          35677 2004-2006/PY
L140           0 L128 NOT 2004-2006/PY


FILE 'ESBIOBASE'
         849275 2004-2006/PY
L141          18 L129 NOT 2004-2006/PY


FILE 'BIOTECHNO'
            586 2004-2006/PY
L142          43 L130 NOT 2004-2006/PY


FILE 'WPIDS'
        3005112 2004-2006/PY
L143           1 L131 NOT 2004-2006/PY


TOTAL FOR ALL FILES
L144         404 L132 NOT 2004-2006/PY

=> dup rem l144
PROCESSING COMPLETED FOR L144
L145         200 DUP REM L144 (204 DUPLICATES REMOVED)

=> d

L145   ANSWER 1 OF 200  BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI     New PRO20080 polypeptides and polynucleotides, useful for treating
       immune-related disorders in a mammal, e.g. systemic lupus erythematosus,
       rheumatoid arthritis, systemic sclerosis, bullous skin disease, or
       allergies;
            recombinant protein production and
            antagonist and agonist for use in disease gene therapy
AU     GREWAL I; GURNEY A L; VALDEZ P A
AN     2003-20959  BIOTECHDS
PI     WO 2003055440 10 Jul 2003
```

```
=> save temp l145 cysk/a
ANSWER SET L145 HAS BEEN SAVED AS 'CYSK/A'

=> d 2-10
```

TI   Novel recombinant crystallized polypeptides from Streptococcus pneumoniae
       useful as drug target for pathogenic bacteria, has biological activity of
       NH(3)-dependent NAD(+) synthetase;
           plasmid-mediated gene transfer and expression in Escherichia
           coli for recombinant protein
           production for recombinant vaccine and disease
           therapy
AU   EDWARDS A; DHARAMSI A; VEDADI M; ALAM M Z; HOUSTON S; PINDER B; NG I; LAM
       R; KIMBER M
AN   2003-20545 BIOTECHDS
PI   WO 2003051916 26 Jun 2003

TI   New peptides useful, e.g. in the treatment of or reduction of viral load
       of hepatitis C virus and associated conditions, e.g. liver fibrosis,
       necrosis, inflammation or bile duct changes;
           vector-mediated gene transfer and expression in host cell
           for recombinant protein production, drug
           screening and disease therapy
AU   JOYCE M; WILLIAMS M; HINDSGAUL O; TYRREL D L
AN   2003-22522 BIOTECHDS
PI   WO 2003051910 26 Jun 2003

TI   New GAVE18 polypeptide and nucleic acid molecule encoding the
       polypeptide, useful for preventing and treating a disease or disorder
       associated with aberrant expression or activity of GAVE18, e.g. asthma or
       rheumatoid arthritis;
           recombinant protein production and
           agonist and antagonist for use in disease gene therapy
AU   EISHINGDRELO H; CAI J; BUSCH S J; GASSENHUBER J
AN   2003-17738 BIOTECHDS
PI   WO 2003042399 22 May 2003

TI   New cupiennin peptides exhibiting an antimicrobial, hemolytic or
       insecticidal activity, useful for preparing a composition for treating
       bacterial infections and tumors;
           vector-mediated gene transfer and expression in host cell
           for recombinant protein and insecticide
           production for use in bacterium infection and leukemia gene
           therapy
AU   SCHALLER J; WALZ A; NENTWIG W; KUHN-NENTWIG L
AN   2003-16957 BIOTECHDS
PI   WO 2003035677 1 May 2003

TI   New polynucleotide designated 205P1B5, for diagnosing and treating
       prostate cancer, and as probes or primers for the amplification and/or
       detection of 205P1B5 genes;
           recombinant protein production and its
           encoding gene useful for gene therapy, diagnosis and prognosis
AU   CHALLITA-EID P M; RAITANO A B; FARIS M; HUBERT R S; JAKOBOVITS A
AN   2003-14871 BIOTECHDS
PI   WO 2003020954 13 Mar 2003

TI   New isolated polypeptide based on the neutralizing epitope of the p17
       protein of HIV, useful for the diagnosis, prevention and treatment of the

human acquired immune deficiency syndrome;
            plasmid-mediated gene transfer and expression in Escherichia
            coli for recombinant gluthathione-transferase fusion
            protein production for use in HIV virus infection
            therapy
AU   CARUSO A; FRANZONE J S
AN   2003-11714   BIOTECHDS
PI   WO 2003016337 27 Feb 2003

L145   ANSWER 8 OF 200   BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI   New UvrA and UvrB polypeptides and polynucleotides encoding the
        polypeptides, useful for detecting DNA damage for diagnosing cancer,
        increasing the effectiveness of drug treatment or detecting the effect of
        environmental genotoxin;
            recombinant protein production in
            Escherichia coli useful for cancer diagnosis
AU   VAN HOUTEN B; SKORVAGA M
AN   2003-11705   BIOTECHDS
PI   WO 2003014324 20 Feb 2003

L145   ANSWER 9 OF 200   BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI   Novel nitrilase polypeptide, useful for making (R)- or
        (S)-ethyl-4-cyano-3-hydroxybutyric acid or (R)- or (S)-mandelic acid or
        (S)- or (R)-phenyl lactic acid derivative and for producing
        pharmaceutical composition, and food additive;
            vector-mediated recombinant protein gene transfer
            and expression in host cell for use in pharmaceutical and
            food industry and peptidomics
AU   MADDEN M; DESANTIS G; CHAPLIN J A; WEINER D P; MILAN A; CHI E; SHORT J M;
        BURK M
AN   2003-10320   BIOTECHDS
PI   WO 2003000840 3 Jan 2003

L145   ANSWER 10 OF 200   BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI   New polynucleotide, useful for manipulating plant protein quality,
        improving plant growth, yield and crop productivity or grain composition
        or producing plants with improved properties;
            recombinant protein production via
            plasmid expression in host cell for use in transgenic plant
            construction
AU   EDGERTON M D; CHOMET P S; LACCETTI L B
AN   2004-07435   BIOTECHDS
PI   US 2003233670 18 Dec 2003

=>
=> d 25-35

L145   ANSWER 25 OF 200   BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI   Polypeptide ligand of GPR8 comprising N-terminal methionine residue fused
        to a polypeptide having N-terminal cysteine residue, useful in the
        treatment of cancer and Alzheimer's disease;
            recombinant protein production via
            plasmid expression in host cell for use in disease therapy
            and drug screening
AN   2003-25647   BIOTECHDS
PI   JP 2003009867 14 Jan 2003

L145   ANSWER 26 OF 200   BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI   New PRO polypeptides useful for diagnosing tumor in mammal and for
        producing antibodies useful in treatment of neoplastic cell growth;
            recombinant protein production and
            antibody for use in disease therapy and gene therapy
AU   CHEN J; BAKER K P; YUAN J; GURNEY A; GODDARD A; WOOD W I
AN   2004-23473   BIOTECHDS

L145 ANSWER 27 OF 200   HCAPLUS   COPYRIGHT 2006 ACS on STN
TI   Immunogenic composition containing chimeric HIV polypeptide (p24-gp41 or
      p24-gp36), and test-kits for detection of antibodies raised against HIV
SO   Russ., No pp. given
      CODEN: RUXXE7
IN   Sidorovich, I. G.; Nikolaeva, I. A.; Sheval'e, A. F.; Ignat'eva, G. A.;
      Korobova, S. V.; Alekseev, T. A.; Petrov, R. V.; Khaitov, R. M.
AN   2003:862724   HCAPLUS
DN   140:180118

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI RU 2214274	C2	20031020	RU 2001-122896	20010816

L145 ANSWER 28 OF 200   HCAPLUS   COPYRIGHT 2006 ACS on STN
TI   Human stem cell growth factor mutant protein, its preparation and medical
      composition
SO   Faming Zhuanli Shenqing Gongkai Shuomingshu, 17 pp.
      CODEN: CNXXEV
IN   Liu, Qingfa; Li, Jing; Hu, Huarong; Hu, Hui
AN   2005:841769   HCAPLUS
DN   143:261406

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI CN 1445239	A	20031001	CN 2002-111092	20020320

L145 ANSWER 29 OF 200   MEDLINE on STN   DUPLICATE 1
TI   Engineering Escherichia coli for increased productivity of
      serine-rich proteins based on proteome profiling
      .
SO   Applied and environmental microbiology, (2003 Oct) Vol. 69, No. 10, pp.
      5772-81.
      Journal code: 7605801. ISSN: 0099-2240.
AU   Han Mee-Jung; Jeong Ki Jun; Yoo Jong-Shin; Lee Sang Yup
AN   2003497591   MEDLINE

L145 ANSWER 30 OF 200   HCAPLUS   COPYRIGHT 2006 ACS on STN
TI   Quantification of the isomerization of Asp residue in recombinant human
      αA-crystallin by reversed-phase HPLC
SO   Journal of Pharmaceutical and Biomedical Analysis (2003), 30(6), 1825-1833
      CODEN: JPBADA; ISSN: 0731-7085
AU   Sadakane, Yutaka; Yamazaki, Toshiaki; Nakagomi, Kazuya; Akizawa,
      Toshifumi; Fujii, Noriko; Tanimura, Takenori; Kaneda, Masaki; Hatanaka,
      Yasumaru
AN   2002:951194   HCAPLUS
DN   139:145381

L145 ANSWER 31 OF 200   SCISEARCH   COPYRIGHT (c) 2006 The Thomson Corporation
      on STN   DUPLICATE 2
TI   Sulfur assimilation in soybean: Molecular cloning and characterization of
      O-acetylserine (thiol) lyase (cysteine synthase)
SO   CROP SCIENCE, (SEP-OCT 2003) Vol. 43, No. 5, pp. 1819-1827.
      ISSN: 0011-183X.
AU   Chronis D; Krishnan H B (Reprint)
AN   2003:774749   SCISEARCH

L145 ANSWER 32 OF 200   HCAPLUS   COPYRIGHT 2006 ACS on STN
TI   Cloning, expression, and renaturation studies of Reteplase
SO   Journal of Microbiology and Biotechnology (2003), 13(6), 989-992
      CODEN: JOMBES; ISSN: 1017-7825
AU   Zhao, Youchun; Wang, Ge; Kong, Yang; Zhang, Changkai
AN   2004:75941 HCAPLUS
DN   140:247840

L145 ANSWER 33 OF 200 EMBASE COPYRIGHT (c) 2006 Elsevier B.V. All rights
     reserved on STN
TI   Molecular cloning, expression and characterization of three short chain
     α-neurotoxins from the venom of sea snake - Hydrophiinae Hydrophis
     cyanocinctus Daudin.
SO   Toxicon, (2003) Vol. 42, No. 7, pp. 753-761. .
     Refs: 31
     ISSN: 0041-0101 CODEN: TOXIA6
AU   Peng L.-S.; Zhong X.-F.; Huang Y.-S.; Zhang Y.; Zheng S.-L.; Wei J.-W.; Wu
     W.-Y.; Xu A.-L.
AN   2004045475 EMBASE

L145 ANSWER 34 OF 200 HCAPLUS COPYRIGHT 2006 ACS on STN
TI   Cloning and molecular and immunological characterisation of two new food
     allergens, Cap a 2 and Lyc e 1, profilins from bell pepper (Capsicum
     annuum) and tomato (Lycopersicon esculentum)
SO   International Archives of Allergy and Immunology (2003), 131(4), 245-255
     CODEN: IAAIEG; ISSN: 1018-2438
AU   Willerroider, M.; Fuchs, H.; Ballmer-Weber, B. K.; Focke, M.; Susani, M.;
     Thalhamer, J.; Ferreira, F.; Wuethrich, B.; Scheiner, O.; Breiteneder, H.;
     Hoffmann-Sommergruber, K.
AN   2003:623472 HCAPLUS
DN   140:76195

L145 ANSWER 35 OF 200   MEDLINE on STN
TI   A novel O-phospho-L-serine sulfhydrylation reaction catalyzed by
     O-acetylserine sulfhydrylase from Aeropyrum pernix K1.
SO   FEBS letters, (2003 Sep 11) Vol. 551, No. 1-3, pp. 133-8.
     Journal code: 0155157. ISSN: 0014-5793.
AU   Mino Koshiki; Ishikawa Kazuhiko
AN   2003424973   MEDLINE

=> d 200

L145 ANSWER 200 OF 200 HCAPLUS COPYRIGHT 2006 ACS on STN
TI   Biosynthesis of cysteine from serine and hydrogen sulfide
SO   Biochemische Zeitschrift (1957), 328, 591-4
     CODEN: BIZEA2; ISSN: 0366-0753
AU   Schlossmann, Klaus; Lynen, Feodor
AN   1957:62619 HCAPLUS
DN   51:62619
OREF 51:11414f-g

=> d 100

L145 ANSWER 100 OF 200 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation
     on STN   DUPLICATE 12
TI   Physicochemical studies of hepatitis A virus recombinant proteins:
     interaction with monolayers as membrane models
SO   MATERIALS SCIENCE & ENGINEERING C-BIOMIMETIC AND SUPRAMOLECULAR SYSTEMS,
     (1 DEC 1999) Vol. 8-9, Sp. iss. SI, pp. 481-485.
     ISSN: 0928-4931.
AU   Carmona M A; Alsina M A; Pinto R M; Sanchez G; Guix S; Pujol M (Reprint)
AN   2000:40699 SCISEARCH

=> d 60

L145 ANSWER 60 OF 200 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI   Novel antibody specific for a peptide immunogen and comprising at least
      one streptolysin S epitope, useful as vaccinating agent for eliciting an
      immune response against streptococcal infections;
         vector-mediated recombinant protein gene transfer

```
                and expression in host cell for use in recombinant vaccine
                preparation and Streptococcus sp. infection prevention and therapy
AU     DALE J B
AN     2003-06510  BIOTECHDS
PI     US 2002086023 4 Jul 2002


=> d 80

L145 ANSWER 80 OF 200  HCAPLUS  COPYRIGHT 2006 ACS on STN
TI   Human G protein-coupled receptors and their cDNA sequences and tissue
     expression profiles
SO   PCT Int. Appl., 292 pp.
     CODEN: PIXXD2
IN   Vogeli, Gabriel
AN   2001:676951  HCAPLUS
DN   135:252785
     PATENT NO.          KIND   DATE        APPLICATION NO.          DATE
     --------------      ----   --------    --------------------     --------
PI   WO 2001066751       A2     20010913    WO 2001-US7370           20010308
     WO 2001066751       A3     20020328
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
             HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
             LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
             RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ,
             VN, YU, ZA, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     AU 2001045514       A5     20010917    AU 2001-45514            20010302


=> s quorum sens?
FILE 'MEDLINE'
         1307 QUORUM
       958582 SENS?
L146     1217 QUORUM SENS?
              (QUORUM(W)SENS?)

FILE 'SCISEARCH'
         1788 QUORUM
      1011718 SENS?
L147     1483 QUORUM SENS?
              (QUORUM(W)SENS?)

FILE 'LIFESCI'
          941 "QUORUM"
       236949 SENS?
L148      927 QUORUM SENS?
              ("QUORUM"(W)SENS?)

FILE 'BIOTECHDS'
           80 QUORUM
        30305 SENS?
L149       76 QUORUM SENS?
              (QUORUM(W)SENS?)

FILE 'BIOSIS'
         1532 QUORUM
      1597741 SENS?
L150     1501 QUORUM SENS?
              (QUORUM(W)SENS?)


FILE 'EMBASE'
```

```
             1147  "QUORUM"
           842631  SENS?
L151         1111  QUORUM SENS?
                     ("QUORUM"(W)SENS?)


FILE 'HCAPLUS'
             1616  QUORUM
          1351906  SENS?
L152         1585  QUORUM SENS?
                     (QUORUM(W)SENS?)


FILE 'NTIS'
               33  QUORUM
           131783  SENS?
L153            9  QUORUM SENS?
                     (QUORUM(W)SENS?)


FILE 'ESBIOBASE'
             1167  QUORUM
           376066  SENS?
L154         1138  QUORUM SENS?
                     (QUORUM(W)SENS?)


FILE 'BIOTECHNO'
              540  QUORUM
           182320  SENS?
L155          530  QUORUM SENS?
                     (QUORUM(W)SENS?)


FILE 'WPIDS'
              128  QUORUM
           950416  SENS?
L156           44  QUORUM SENS?
                     (QUORUM(W)SENS?)


TOTAL FOR ALL FILES
L157         9621  QUORUM SENS?

=> s l157 and l12
FILE 'MEDLINE'
              .79  CYSK
            66784  CYSTEINE
            95885  SYNTHASE#
              240  CYSTEINE SYNTHASE#
                     (CYSTEINE(W)SYNTHASE#)
L158            2  L146 AND L12


FILE 'SCISEARCH'
               55  CYSK
            49154  CYSTEINE
           112660  SYNTHASE#
              213  CYSTEINE SYNTHASE#
                     (CYSTEINE(W)SYNTHASE#)
L159            2  L147 AND L12


FILE 'LIFESCI'
               49  CYSK
            18597  "CYSTEINE"
            24832  SYNTHASE#
               93  CYSTEINE SYNTHASE#
                     ("CYSTEINE"(W)SYNTHASE#)
L160            2  L148 AND L12


FILE 'BIOTECHDS'
               54  CYSK
```

```
                4414 CYSTEINE
                6362 SYNTHASE#
                  65 CYSTEINE SYNTHASE#
                        (CYSTEINE(W)SYNTHASE#)
L161               0 L149 AND L12

FILE 'BIOSIS'
                  77 CYSK
               60728 CYSTEINE
              103285 SYNTHASE#
                 226 CYSTEINE SYNTHASE#
                        (CYSTEINE(W)SYNTHASE#)
L162               4 L150 AND L12

FILE 'EMBASE'
                  61 CYSK
               51519 "CYSTEINE"
               94938 SYNTHASE#
                 204 CYSTEINE SYNTHASE#
                        ("CYSTEINE"(W)SYNTHASE#)
L163               2 L151 AND L12

FILE 'HCAPLUS'
                 181 CYSK
              102896 CYSTEINE
               99267 SYNTHASE#
                 380 CYSTEINE SYNTHASE#
                        (CYSTEINE(W)SYNTHASE#)
L164               3 L152 AND L12

FILE 'NTIS'
                   0 CYSK
                 492 CYSTEINE
                 240 SYNTHASE#
                   0 CYSTEINE SYNTHASE#
                        (CYSTEINE(W)SYNTHASE#)
L165               0 L153 AND L12

FILE 'ESBIOBASE'
                  44 CYSK
               24959 CYSTEINE
               46832 SYNTHASE#
                 107 CYSTEINE SYNTHASE#
                        (CYSTEINE(W)SYNTHASE#)
L166               2 L154 AND L12

FILE 'BIOTECHNO'
                  43 CYSK
               22339 CYSTEINE
               29457 SYNTHASE#
                 130 CYSTEINE SYNTHASE#
                        (CYSTEINE(W)SYNTHASE#)
L167               1 L155 AND L12

FILE 'WPIDS'
                  46 CYSK
                8848 CYSTEINE
                5263 SYNTHASE#
                  46 CYSTEINE SYNTHASE#
                        (CYSTEINE(W)SYNTHASE#)
L168               1 L156 AND L12

TOTAL FOR ALL FILES
L169              19 L157 AND L12
```

```
=> s 1157 and 160
FILE 'MEDLINE'
        627619 AMINO
       1423028 ACID
        471399 AMINO ACID
                  (AMINO(W)ACID)
         21836 SER
         92543 SERINE
        168559 COMPOSITION#
        248830 PROFIL?
         13746 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)
L170          0 L146 AND L60

FILE 'SCISEARCH'
        396327 AMINO
       1149190 ACID
        209666 AMINO ACID
                  (AMINO(W)ACID)
         22441 SER
         53704 SERINE
        419979 COMPOSITION# .
        382115 PROFIL?
          9538 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)
L171          0 L147 AND L60

FILE 'LIFESCI'
        170294 "AMINO"
        304712 "ACID"
        117285 AMINO ACID
                  ("AMINO"(W)"ACID")
         10847 SER
         21922 SERINE
         99725 COMPOSITION#
         55188 PROFIL?
          6090 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)
L172          0 L148 AND L60

FILE 'BIOTECHDS'
         68862 AMINO
        141162 ACID
         49599 AMINO ACID
                  (AMINO(W)ACID)
          4932 SER
          5056 SERINE
         42349 COMPOSITION#
         10963 PROFIL?
          2588 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)
L173          0 L149 AND L60

FILE 'BIOSIS'
        529886 AMINO
       1264190 ACID
        308849 AMINO ACID
                  (AMINO(W)ACID)
         22674 SER
         70130 SERINE
        329045 COMPOSITION#
        237646 PROFIL?
         22015 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)
L174          0 L150 AND L60

FILE 'EMBASE'
        435910 "AMINO"
       1416657 "ACID"
        294778 AMINO ACID
```

```
                        ("AMINO" (W) "ACID")
         19619 SER
         59543 SERINE
        151994 COMPOSITION#
        210388 PROFIL?
         13292 (AMINO ACID OR SER OR SERINE) (15A) (COMPOSITION# OR PROFIL?)
L175         1 L151 AND L60


FILE 'HCAPLUS'
       1084700 AMINO
       4203947 ACID
        539598 AMINO ACID
                  (AMINO (W) ACID)
         35505 SER
        108794 SERINE
        960069 COMPOSITION#
       1416525 COMPN
       1976894 COMPOSITION#
                  (COMPOSITION# OR COMPN)
        440945 PROFIL?
         38327 (AMINO ACID OR SER OR SERINE) (15A) (COMPOSITION# OR PROFIL?)
L176         2 L152 AND L60


FILE 'NTIS'
          7002 AMINO
         44050 ACID
          2476 AMINO ACID
                  (AMINO (W) ACID)
           410 SER
           537 SERINE
         69996 COMPOSITION#
         58035 PROFIL?
           223 (AMINO ACID OR SER OR SERINE) (15A) (COMPOSITION# OR PROFIL?)
L177         0 L153 AND L60


FILE 'ESBIOBASE'
        184733 AMINO
        353034 ACID
        102749 AMINO ACID
                  (AMINO (W) ACID)
         13028 SER
         28404 SERINE
         87829 COMPOSITION#
         98571 PROFIL?
          3620 (AMINO ACID OR SER OR SERINE) (15A) (COMPOSITION# OR PROFIL?)
L178         0 L154 AND L60


FILE 'BIOTECHNO'
        204625 AMINO
        349810 ACID
        154660 AMINO ACID
                  (AMINO (W) ACID)
         11924 SER
         28989 SERINE
         38895 COMPOSITION#
         42958 PROFIL?
          6366 (AMINO ACID OR SER OR SERINE) (15A) (COMPOSITION# OR PROFIL?)
L179         0 L155 AND L60


FILE 'WPIDS'
        252115 AMINO
        962731 ACID
         71870 AMINO ACID
                  (AMINO (W) ACID)
         10207 SER
```

```
         8710 SERINE
       733477 COMPOSITION#
         8956 COMPN
       388445 COMPSN
       111887 COMPSNS
       905421 COMPOSITION#
                (COMPOSITION# OR COMPN OR COMPSN OR COMPSNS)
       200097 PROFIL?
         5017 (AMINO ACID OR SER OR SERINE)(15A)(COMPOSITION# OR PROFIL?)
L180         0 L156 AND L60

TOTAL FOR ALL FILES
L181         3 L157 AND L60

=> d tot

L181 ANSWER 1 OF 3  EMBASE  COPYRIGHT (c) 2006 Elsevier B.V. All rights
     reserved on STN
TI   Acyl-homoserine lactone acylase from Ralstonia strain XJ12B represents a
     novel and potent class of quorum-quenching enzymes.
SO   Molecular Microbiology, (2003) Vol. 47, No. 3, pp. 849-860. .
     Refs: 58
     ISSN: 0950-382X  CODEN: MOMIEE
AU   Lin Y.-H.; Xu J.-L.; Hu J.; Wang L.-H.; Leong Ong S.; Renton Leadbetter
     J.; Zhang L.-H.
AN   2003041693  EMBASE


L181 ANSWER 2 OF 3  HCAPLUS  COPYRIGHT 2006 ACS on STN
TI   Impact of the accessory gene regulatory system (Agr) on extracellular
     proteins, codY expression and amino acid metabolism in Staphylococcus
     epidermidis
SO   Proteomics (2006), 6(12), 3602-3613
     CODEN: PROTC7; ISSN: 1615-9853
AU   Batzilla, Christoph F.; Rachid, Shwan; Engelmann, Susanne; Hecker,
     Michael; Hacker, Joerg; Ziebuhr, Wilma
AN   2006:664730  HCAPLUS


L181 ANSWER 3 OF 3  HCAPLUS  COPYRIGHT 2006 ACS on STN
TI   Whole-genome transcription profiling reveals genes up-regulated by growth
     on fucose in the human gut bacterium Roseburia inulinivorans
SO   Journal of Bacteriology (2006), 188(12), 4340-4349
     CODEN: JOBAAY; ISSN: 0021-9193
AU   Scott, Karen P.; Martin, Jennifer C.; Campbell, Gillian; Mayer,
     Claus-Dieter; Flint, Harry J.
AN   2006:609293  HCAPLUS
DN   145:206012



=> s l157 and l84
FILE 'MEDLINE'
        48830 HETEROLOGOUS
        60602 FOREIGN
       268317 RECOMBINANT
      1985915 PROTEIN#
      1332306 PRODUC?
      1031573 EXPRESS?
        41165 OPTIMIZE?
         9690 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
                C? OR EXPRESS? OR OPTIMIZE?)
L182         8 L146 AND L84

FILE 'SCISEARCH'
        22902 HETEROLOGOUS
        31651 FOREIGN
       157026 RECOMBINANT
```

```
        1561701 PROTEIN#
        1885905 PRODUC?
        1318116 EXPRESS?
         101716 OPTIMIZE?
           9879 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
                C? OR EXPRESS? OR OPTIMIZE?)
L183         10 L147 AND L84

FILE 'LIFESCI'
          15201 HETEROLOGOUS
           8672 FOREIGN
          68772 RECOMBINANT
         576271 PROTEIN#
         528908 PRODUC?
         406665 EXPRESS?
          10075 OPTIMIZE?
           7329 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
                C? OR EXPRESS? OR OPTIMIZE?)
L184          9 L148 AND L84

FILE 'BIOTECHDS'
          11307 HETEROLOGOUS
           6545 FOREIGN
         100689 RECOMBINANT
         158695 PROTEIN#
         228637 PRODUC?
         147353 EXPRESS?
           7062 OPTIMIZE?
          29419 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
                C? OR EXPRESS? OR OPTIMIZE?)
L185          7 L149 AND L84

FILE 'BIOSIS'
          29967 HETEROLOGOUS
          27907 FOREIGN
         195249 RECOMBINANT
        1823904 PROTEIN#
        1749135 PRODUC?
        1221349 EXPRESS?
          39110 OPTIMIZE?
          12002 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
                C? OR EXPRESS? OR OPTIMIZE?)
L186          9 L150 AND L84

FILE 'EMBASE'
          22927 HETEROLOGOUS
          33385 FOREIGN
         175359 RECOMBINANT
        1604586 PROTEIN#
        1273106 PRODUC?
         947091 EXPRESS?
          39316 OPTIMIZE?
           8026 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
                C? OR EXPRESS? OR OPTIMIZE?)
L187          9 L151 AND L84

FILE 'HCAPLUS'
          32646 HETEROLOGOUS
          46749 FOREIGN
         189397 RECOMBINANT
        2224044 PROTEIN#
        4322427 PRODUC?
         958833 PRODN
        4785471 PRODUC?
                (PRODUC? OR PRODN)
```

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           1251994 EXPRESS?
            161359 OPTIMIZE?
             22414 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
                   C? OR EXPRESS? OR OPTIMIZE?)
L188             11 L152 AND L84

FILE 'NTIS'
               306 HETEROLOGOUS
            385975 FOREIGN
              1641 RECOMBINANT
             19009 PROTEIN#
            373365 PRODUC?
             39659 EXPRESS?
             17064 OPTIMIZE?
               142 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
                   C? OR EXPRESS? OR OPTIMIZE?)
L189              0 L153 AND L84

FILE 'ESBIOBASE'
             13479 HETEROLOGOUS
             10751 FOREIGN
             87655 RECOMBINANT
            759973 PROTEIN#
            613682 PRODUC?
            594976 EXPRESS?
             20296 OPTIMIZE?
              8224 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
                   C? OR EXPRESS? OR OPTIMIZE?)
L190             12 L154 AND L84

FILE 'BIOTECHNO'
             14199 HETEROLOGOUS
              6070 FOREIGN
            125134 RECOMBINANT
            653195 PROTEIN#
            394590 PRODUC?
            452182 EXPRESS?
              9587 OPTIMIZE?
              8116 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
                   C? OR EXPRESS? OR OPTIMIZE?)
L191              8 L155 AND L84

FILE 'WPIDS'
             10321 HETEROLOGOUS
             43071 FOREIGN
             41623 RECOMBINANT
            161386 PROTEIN#
           2402233 PRODUC?
            130405 EXPRESS?
             30069 OPTIMIZE?
              4938 (HETEROLOGOUS OR FOREIGN OR RECOMBINANT)(5A) PROTEIN#(10A)(PRODU
                   C? OR EXPRESS? OR OPTIMIZE?)
L192              1 L156 AND L84

TOTAL FOR ALL FILES
L193             84 L157 AND L84

=> s l193 not 2004-2006/py
FILE 'MEDLINE'
           1669853 2004-2006/PY
                   (20040000-20069999/PY)
L194              6 L182 NOT 2004-2006/PY

FILE 'SCISEARCH'
           3014115 2004-2006/PY
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                    (20040000-20069999/PY)
L195            6 L183 NOT 2004-2006/PY


FILE 'LIFESCI'
         253279 2004-2006/PY
L196            8 L184 NOT 2004-2006/PY


FILE 'BIOTECHDS'
          70512 2004-2006/PY
L197            4 L185 NOT 2004-2006/PY


FILE 'BIOSIS'
        1279777 2004-2006/PY
L198            6 L186 NOT 2004-2006/PY


FILE 'EMBASE'
        1438357 2004-2006/PY
L199            7 L187 NOT 2004-2006/PY


FILE 'HCAPLUS'
        3229967 2004-2006/PY
L200            6 L188 NOT 2004-2006/PY


FILE 'NTIS'
          35677 2004-2006/PY
L201            0 L189 NOT 2004-2006/PY


FILE 'ESBIOBASE'
         849275 2004-2006/PY
L202            9 L190 NOT 2004-2006/PY


FILE 'BIOTECHNO'
            586 2004-2006/PY
L203            8 L191 NOT 2004-2006/PY


FILE 'WPIDS'
        3019867 2004-2006/PY
L204            0 L192 NOT 2004-2006/PY


TOTAL FOR ALL FILES
L205           60 L193 NOT 2004-2006/PY

=> log y
COST IN U.S. DOLLARS                      SINCE FILE      TOTAL
                                            ENTRY       SESSION
FULL ESTIMATED COST                         132.14       132.35

STN INTERNATIONAL LOGOFF AT 15:21:57 ON 06 SEP 2006
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